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NAVAL SUPPLY SYSTEMS COMMAND

SNT Information Brief March 2003

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

SNT

WWW.SNT.NAVSUP.NAVY.MIL

Ready. Resourceful. Responsive!

Project Manager
MATT MULLINS
LCDR, USN

BASIC INFORMATION

NAVAL SUPPLY SYSTEMS COMMAND

UNITED STATES NAVY SERIAL NUMBER TRACKING SNT

Background/overvie

* More information is available on the SNT web site at www.snt.navsup.navy.mil
  – click on Documents
  -- An SNT Tutorial, Abstract, background & AIT information is available

* SNT is a web-enabled system that retrieves and displays live, up-to-date, data from supply, transportation, repair and maintenance databases, based on user query.

* User ID and Password required to use SNT System – PKI coming

•For More Information:

Contact list is available at the end of this presentation and on the web site.

"Visit the Web Site - Try the

How SNT got Started

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Aviation Maintenance-Supply Readiness (AMSR) Review Tasking - 1998

Background/overview

↓ Lower Maintenance & Supply Cost

↑ Increase Readiness

Result – Serial Number Tracking Initiative provi

- Retrograde Tracking & TAV

By T/M/S, Organization and time period

- Cannibalization data
- BCM statistics
- Top Cost Driver figures
- Reliability information

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SNT Consists of Two Pillars

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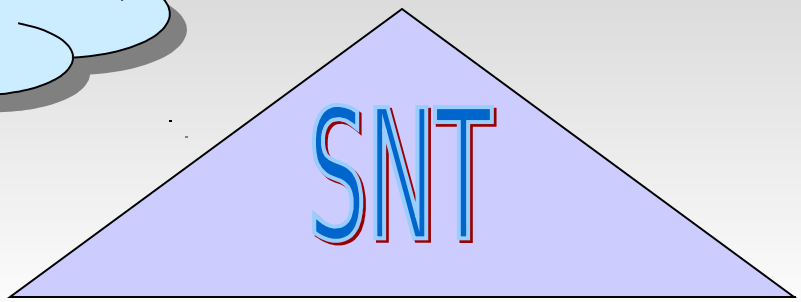
Implementation

SNT requires two components



FIRST

Live access to databases via the SNT Web-enabled portal.

Data Base Access

- WMRIL/A-ORS
- eRMS/WMPS
- UICP
- WEB-CAV
- CAV-ORM
- CAV-Navy
- FACTS
- OOMA/OIMA
- R-Supply
- IBS

AIT

- CMB
- 2D PDF417
- ISO15418/15434
- MILSTD129
- MILSTD130
- MSL
- IRRD

SECOND

Automatic Identification Technology (AIT) is used by the SNT to maintain data accurac

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System Concept

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What and How

Definition:

Closed-loop, cradle-to-grave tracking of maintenance critical, serialized components, providing asset visibility and material status, and enabled by automatic identification technology (AIT)

Plan:

Collect data through interfaces with various supply and maintenance systems and provide access to stakeholders via a Virtual Shared Data Warehouse

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System Concept

UNITED STATES NAVY SERIAL NUMBER TRACKING SNT

What does it do for yo

Major Benefits

Maintenance

- Identify Maintenance Deficiencies
- Accurately Measure Reliability
- Accurate Record Configuration
- Identify Latent Defects
- Determine Training Requirements
- Assist Engineering Investigations

Supply

- Assess Repair Turn Around Time
- Decrease Misidentification and Lo
- Warranty Management
- Predict Parts Requirements
- Better Procurement Decisions
- Measure Reliability
- Achieve Total Asset Visibility

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CMB/Bar Code

P/N 50-100-01
S/N 0152
MFR K0656

AIT

Nameplate Data

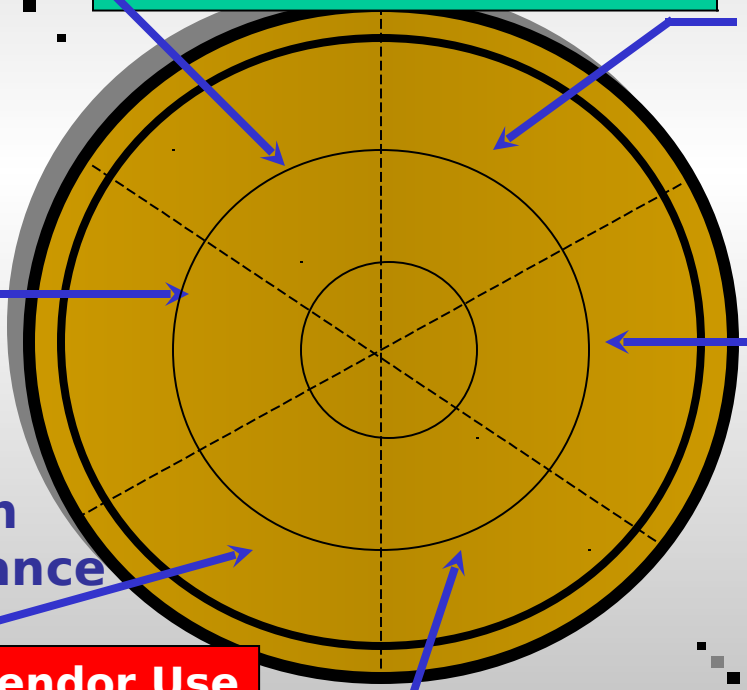
Computer, Air Data CPU-175/A
P/N 50-100-01 SERNO 0152
MFR K0656 CONTR F33657-85C-0025

Scheduled Removal Component Card*

Contact Memory Button CMB

*Electronic Logset

In Aviation Maintenance History**



Warranty Data

**Use - TBD within aviation maintenance

Available for Vendor Use

Available for Future Navy Use

CMB Stats:
- 2k,8k,32k
- ~$7-$13 each
- Read/Write
- Dual CMB/BC Reader $1200

Aviation Asset/Information Flow

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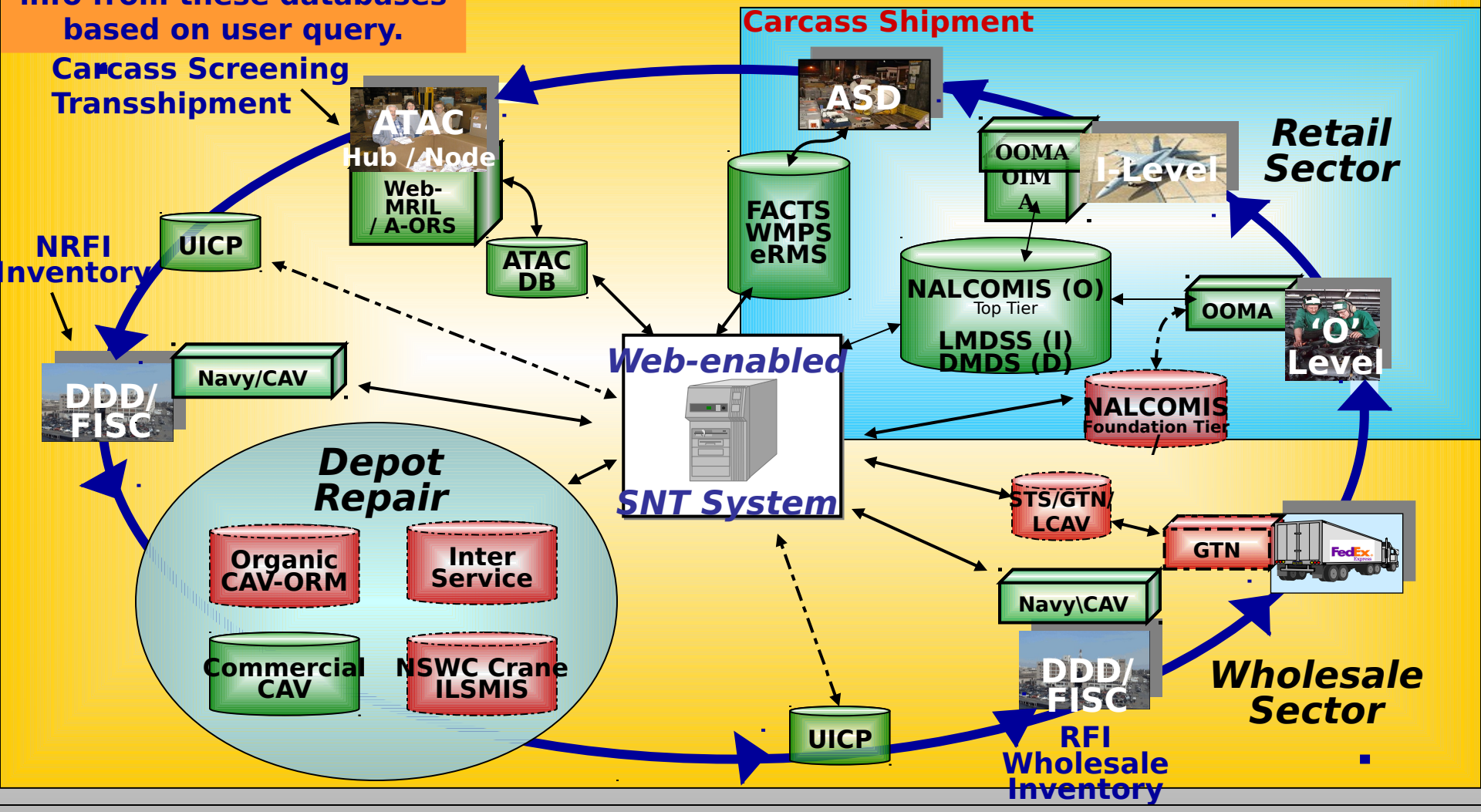
SNT retrieves and displays info from these databases based on user query.

Information Systems

System Access



Connected w/SN ---------- No SN Not Asset Flow

Maritime Asset/Information Flow

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SNT retrieves and displays info from these databases based on user query.

Information Systems

System Access

Carcass Shipment

Carcass Screening
Transshipment

NRFI Inventory

ATAC

SIMA

Web-MRIL / A-ORS

(Future) NEMAIS

ATAC DB

UICP

DDD/ FISC

Navy/CAV

Shipboard Supply

CDMD-OA

(O)-Level

Retail Sector

FACTS WMPS eRMS

OMMS

3M DB

R-Supply

Shipboard Inv

FIMARS

Web-enabled

SNT System

Depot Repair

Organic CAV-ORM

Inter Service

Commercial CAV

NSWC Crane ILSMIS

STS/GTN/ LCAV

GTN

Navy\CAV

DDD/ FISC

UICP

RFI Wholesale Inventory

Wholesale Sector

Connected w/SN — No SN — Not — Asset Flow

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System Status

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- Database Access:
  - NALCOMIS, LMDSS, DMDS, FACTS, ATAC, CAV, R-RAM
  - UICP-P, UICP-M, FIMARS
  - Coming Soon – LCAV, ILSMIS, CDMD-OA, CAV-ORM
- Queries available: Asset visibility (Retrograde, IMA, In

  Warranty, Aviation Maintenance History
- Recent Enhancements:
  - Carcass Watches/Automatic email capability
  - Other Decision Support Reports
  - Link to UICP database

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Demonstrations

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Proof of Concepts

H-60/HSL-40:

- Demonstrate Optimized-Organizational Maintenance Activity (O- OMA) Automatic Identification Technologies (AIT) interfaces
- Track 25 marked components Complete / Proven

SQQ-32 SONAR on MCM's/MHC's

- 13 components marked for retrograde tracking Complete / Proven

HOSS Camera (AN/SXY-1):

- Contract language and drawing includes Contact Memory Button (CMB). SNT in new production environment Complete / Proven

CAMS II A5 Module:

- First introduction in submarine community Complete / Proven

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ACRONYMS

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AORS - ATAC Operating Reporting System

ATAC - Advanced Traceability And Control

BCM – Beyond Capability of Maintenance

CAV – Commercial Asset Visibility

CAV-Navy - Commercial Asset Visibility – Navy (repository of data)

CAV-ORM - Commercial Asset visibility – Organic Repair Module

CDMD-OA - Configuration Data Managers Database - Open Architecture

DDD - Defense Distribution Depot

DMDS – Depot Maintenance Data System

DSS - Distribution Standards System

eRMS - Electronic Retrograde Management System

FACTS - Fleet Automated Control Tracking System

FIMARS - Force Inventory Management Analysis Reporting System

FISC - Fleet and Industrial Supply Center

GTN - Global Transportation Network

IBS - Integrated Bar Code System

ILSMIS – Industrial Logistics Support Maintenance Information System

IRRD - Issue Release Receipt Document

ISO - International Standards Organization

LCAV – Logistics Support Center Customer Asset Visibility

LMDSS - Logistics Management Decision Support System

MILSTD - Military Standards (129-Package marking standards & 130-Property marking standards)

MRIL – Master Repairable Item List

MSL - Military Shipping Label

NALCOMIS - Naval Aviation Logistics Command/Management Information System

OIMA - Optimized-Intermediate Maintenance Activity

OOMA - Optimized-Organizational Maintenance Activity

PDF - Portable Data File

R-RAM – Reengineered Residual Asset Manager

R-Supply - Relational Supply

STS – SMART Transportation Solution

TBD – To Be Determined

T/M/S – Type Mode Series

UICP - Uniform Automated Data Processing System – Inventory Control Point

WEB-CAV - Web – Commercial Asset Visibility

WMPS - Web-MRIL Partnering Site

Points of Contact
http://www.snt.navsup.navy.mil

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